

ABSTRACT OF THE DISCLOSURE

A conductive tape for the manufacture of shielded electrical wire to provide a positive attenuation of and protection from electromagnetic and radio frequency interference. The tape comprises an outer insulation layer formed of PTFE and an inner conductive layer formed of 5 metallic powder dispersed in PTFE. The conductive tape is spirally wound and cured on insulated wire to form the shielded electrical wire. The tape may comprise additional insulation or conductive layers.